



TORQ Analysis of Inspectors, Testers, Sorters, Samplers, and Weighers to Sewing Machine Operators

INPUT SECTION:

| Transfer | Title | O*NET | Filters | | |
|--------------------|--|------------|------------|----------------------|-----------|
| From Title: | Inspectors, Testers, Sorters, Samplers, and Weighers | 51-9061.00 | Abilities: | Importance Level: 50 | Weight: 1 |
| To Title: | Sewing Machine Operators | 51-6031.00 | Skills: | Importance Level: 69 | Weight: 1 |
| Labor Market Area: | Maine Statewide | | Knowledge: | Importance Level: 69 | Weight: 1 |

OUTPUT SECTION:

Grand TORQ:

85

| Ability TORQ | | | | Skills TORQ | | | | Knowledge TORQ | | | |
|-----------------------------|-------|-----|------|-----------------------------|-------|-----|------|---------------------------------|-------|-----|------|
| Level | | | 77 | Level | | | 88 | Level | | | 89 |
| Gaps To Narrow if Possible | | | | Upgrade These Skills | | | | Knowledge to Add | | | |
| Ability | Level | Gap | Impt | Skill | Level | Gap | Impt | Knowledge | Level | Gap | Impt |
| Rate Control | 39 | 16 | 59 | No Skills Upgrade Required! | | | | No Knowledge Upgrades Required! | | | |
| Arm-Hand Steadiness | 51 | 14 | 65 | | | | | | | | |
| Visual Color Discrimination | 46 | 11 | 56 | | | | | | | | |
| Control Precision | 42 | 7 | 62 | | | | | | | | |
| Multilimb Coordination | 37 | 7 | 53 | | | | | | | | |
| Manual Dexterity | 42 | 5 | 62 | | | | | | | | |
| Finger Dexterity | 44 | 3 | 56 | | | | | | | | |

LEVEL and IMPT (IMPORTANCE) refer to the Target Sewing Machine Operators. GAP refers to level difference between Inspectors, Testers, Sorters, Samplers, and Weighers and Sewing Machine Operators.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

| Description | Inspectors, Testers, Sorters, Samplers, and Weighers | Sewing Machine Operators | Importance |
|----------------------|--|--------------------------|------------|
| Arm-Hand Steadiness | 37 | 51 | 65 |
| Manual Dexterity | 37 | 42 | 62 |
| Control Precision | 35 | 42 | 62 |
| Rate Control | 23 | 39 | 59 |
| Information Ordering | 42 | 37 | 56 |



| | | | |
|---|--|--------------------------|------------|
| Finger Dexterity | 41 | 44 | 56 |
| Near Vision | 50 | 48 | 56 |
| Visual Color Discrimination | 35 | 46 | 56 |
| Problem Sensitivity | 41 | 39 | 53 |
| Multilimb Coordination | 30 | 37 | 53 |
| Deductive Reasoning | 44 | 35 | 50 |
| Visualization | 39 | 39 | 50 |
| Skill Level Comparison - Abilities with importance scores over 69 | | | |
| Description | Inspectors, Testers, Sorters, Samplers, and Weighers | Sewing Machine Operators | Importance |
| Knowledge Level Comparison - Knowledge with importance scores over 69 | | | |
| Description | Inspectors, Testers, Sorters, Samplers, and Weighers | Sewing Machine Operators | Importance |

| Experience & Education Comparison | | | | | | | |
|---|--|--|--|-------------------------------------|--|--|--------------------------|
| Related Work Experience Comparison | | | | Required Education Level Comparison | | | |
| Description | | Inspectors, Testers, Sorters, Samplers, and Weighers | Sewing Machine Operators | Description | | Inspectors, Testers, Sorters, Samplers, and Weighers | Sewing Machine Operators |
| 10+ years | | 3% | 0% | Doctoral | | 0% | 0% |
| 8-10 years | | 0% | 0% | Professional Degree | | 0% | 0% |
| 6-8 years | | 0% | 0% | Post-Masters Cert | | 0% | 0% |
| 4-6 years | | 12% | 8% | Master's Degree | | 0% | 0% |
| 2-4 years | | 1% | 13% | Post-Bachelor Cert | | 0% | 0% |
| 1-2 years | | 14% | 9% | Bachelors | | 0% | 2% |
| 6-12 months | | 23% | 11% | AA or Equiv | | 3% | 0% |
| 3-6 months | | 3% | 0% | Some College | | 5% | 8% |
| 1-3 months | | 6% | 5% | Post-Secondary Certificate | | 22% | 2% |
| 0-1 month | | 10% | 0% | High School Diploma or GED | | 61% | 12% |
| None | | 24% | 51% | No HSD or GED | | 7% | 73% |
| Inspectors, Testers, Sorters, Samplers, and Weighers | | | | Sewing Machine Operators | | | |
| Most Common Educational/Training Requirement: | | | | | | | |
| Moderate-term on-the-job training | | | Moderate-term on-the-job training | | | | |
| Job Zone Comparison | | | | | | | |
| 2 - Job Zone Two: Some Preparation Needed | | | 1 - Job Zone One: Little or No Preparation Needed | | | | |
| Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty. | | | No previous work-related skill, knowledge, or experience is needed for these occupations. For example, a person can become a cashier even if he/she has never worked before. | | | | |
| These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed. | | | These occupations may require a high school diploma or GED certificate. Some may require a formal training course to obtain a license. | | | | |



Employees in these occupations need anywhere from a few months to one year of working with experienced employees.

Employees in these occupations need anywhere from a few days to a few months of training. Usually, an experienced worker could show you how to do the job.

Tasks

Inspectors, Testers, Sorters, Samplers, and Weighers

Core Tasks

Generalized Work Activities:

- Documenting/Recording Information - Entering, transcribing, recording, storing, or maintaining information in written or electronic/magnetic form.
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Monitor Processes, Materials, or Surroundings - Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Communicating with Supervisors, Peers, or Subordinates - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.

Specific Tasks

Occupation Specific Tasks:

- Adjust, clean, or repair products or processing equipment to correct defects found during inspections.
- Administer tests to engineers and operators to assess whether they are qualified to use equipment.
- Analyze and interpret blueprints, data, manuals, and other materials to determine specifications, inspection and testing procedures, adjustment and certification methods, formulas, and measuring instruments required.
- Analyze test data and make computations as necessary to determine test results.
- Check arriving materials to ensure that they match purchase orders and submit discrepancy reports when problems are found.
- Clean, maintain, repair, and calibrate measuring instruments and test equipment such as dial indicators, fixed gauges, and height gauges.
- Collect or select samples for testing or for use as models.
- Compare colors, shapes, textures, or grades of products or materials with color charts, templates, or samples to verify

Sewing Machine Operators

Core Tasks

Generalized Work Activities:

- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Controlling Machines and Processes - Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).
- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Communicating with Supervisors, Peers, or Subordinates - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.

Specific Tasks

Occupation Specific Tasks:

- Attach buttons, hooks, zippers, fasteners, or other accessories to fabric, using feeding hoppers or clamp holders.
- Attach tape, trim, appliques, or elastic to specified garments or garment parts, according to item specifications.
- Baste edges of material to align and temporarily secure parts for final assembly.
- Cut excess material or thread from finished products.
- Cut materials according to specifications, using blades, scissors, or electric knives.
- Draw markings or pin appliques on fabric to obtain variations in design.
- Examine and measure finished articles to verify conformance to standards, using rulers.
- Fold or stretch edges or lengths of items while sewing, in order to facilitate forming specified sections.
- Guide garments or garment parts under machine needles and presser feet to sew parts together.
- Inspect garments, and examine repair tags and markings on garments to locate defects or damage, and mark errors as



conformance to standards.

- Compute defect percentages or averages, using formulas and calculators, and prepare reports of inspection or test findings.
- Compute usable amounts of items in shipments and determine prices, based on quantities and grade assessments.
- Disassemble defective parts and components, such as inaccurate or worn gauges and measuring instruments, using hand tools.
- Discard or reject products, materials, and equipment not meeting specifications.
- Discuss inspection results with those responsible for products, and recommend necessary corrective actions.
- Fabricate, install, position, or connect components, parts, finished products, or instruments for testing or operational purposes.
- Grade, classify, and sort products according to sizes, weights, colors, or other specifications.
- Inspect, test, or measure materials, products, installations, and work for conformance to specifications.
- Interpret legal requirements, provide safety information, and recommend compliance procedures to contractors, craft workers, engineers, and property owners.
- Make minor adjustments to equipment, such as turning setscrews to calibrate instruments to required tolerances.
- Mark items with details such as grade and acceptance or rejection status.
- Measure dimensions of products to verify conformance to specifications, using measuring instruments such as rulers, calipers, gauges, or micrometers.
- Notify supervisors and other personnel of production problems, and assist in identifying and correcting these problems.
- Observe and monitor production operations and equipment to ensure conformance to specifications and make or order necessary process or assembly adjustments.
- Position products, components, or parts for testing, or direct other workers to position them.
- Read dials and meters to verify that equipment is functioning at specified levels.
- Record inspection or test data, such as weights, temperatures, grades, or moisture content, and quantities inspected or graded.
- Remove defects, such as chips and burrs, and lap corroded or pitted surfaces.
- Set controls, start and monitor machines that automatically measure, sort, or inspect products.

necessary.

- Match cloth pieces in correct sequences prior to sewing them, and verify that dye lots and patterns match.
- Monitor machine operation to detect problems such as defective stitching, breaks in thread, or machine malfunctions.
- Mount attachments, such as needles, cutting blades, or pattern plates, and adjust machine guides according to specifications.
- Perform equipment maintenance tasks such as replacing needles, sanding rough areas of needles, or cleaning and oiling sewing machines.
- Perform specialized or automatic sewing machine functions, such as buttonhole making or tacking.
- Place spools of thread, cord, or other materials on spindles, insert bobbins, and thread ends through machine guides and components.
- Position and mark patterns on materials to prepare for sewing.
- Position items under needles, using marks on machines, clamps, templates, or cloth as guides.
- Position material or articles in clamps, templates, or hoop frames prior to automatic operation of machines.
- Record quantities of materials processed.
- Remove holding devices and finished items from machines.
- Repair or alter items by adding replacement parts or missing stitches.
- Select supplies such as fasteners and thread, according to job requirements.
- Start and operate or tend machines, such as single or double needle serging and flat-bed felling machines, to automatically join, reinforce, or decorate material or articles.
- Tape or twist together thread or cord to repair breaks.
- Turn knobs, screws, and dials to adjust settings of machines, according to garment styles and equipment performance.

Detailed Tasks

Detailed Work Activities:

- adjust production equipment/machinery setup
- clean equipment or machinery
- cut or trim fabric or leather
- examine products or work to verify conformance to specifications
- install equipment or attachments on machinery or related structures
- load or unload material or workpiece into machinery



- Stack and arrange tested products for further processing, shipping, or packaging and transport products to other work stations as necessary.
- Supervise testing or drilling activities.
- Weigh materials, products, containers, or samples to verify packaging weights and ingredient quantities, or to determine sorting.
- Write test and inspection reports describing results, recommendations, and needed repairs.

Detailed Tasks

Detailed Work Activities:

- adjust production equipment/machinery setup
- attach or mark identification onto products or containers
- collect samples for testing
- communicate technical information
- compare findings with specifications to ensure conformance to standards
- compute product or materials test results
- conduct performance testing
- confer with vendors
- determine specifications
- determine specifications or testing procedures
- direct and coordinate activities of workers or staff
- distinguish colors
- evaluate material specifications
- examine products or work to verify conformance to specifications
- fabricate, assemble, or disassemble manufactured products by hand
- follow manufacturing methods or techniques
- follow statistical process control procedures
- grade, classify, or sort products according to specifications
- inspect manufactured products or materials
- install/connect electrical equipment to power circuit
- load, unload, or stack containers, materials, or products
- maintain consistent production quality
- maintain inspection tools or equipment
- maintain records, reports, or files
- maintain safe work environment
- mark items for acceptance or rejection, according to conformance to specifications
- measure, weigh, or count products or materials
- modify electrical or electronic equipment

- maintain consistent production quality
- maintain production or work records
- monitor production machinery/equipment operation to detect problems
- operate sewing machine
- perform safety inspections in manufacturing or industrial setting
- read work order, instructions, formulas, or processing charts
- repair tears or defects in fabrics, garments, or leather products
- sew by hand
- use hand or power tools
- use portable electric fabric cutter

Technology - Examples



or products

- monitor production machinery/equipment operation to detect problems
- monitor repairs or maintenance to enforce standards
- move materials or goods between work areas
- operate industrial or nondestructive testing equipment
- operate packaging or banding machine or equipment
- operate pneumatic test equipment
- operate precision test equipment
- package goods for shipment or storage
- perform safety inspections in industrial, manufacturing or repair setting
- prepare reports
- prepare safety reports
- prepare technical reports or related documentation
- read blueprints
- read production layouts
- read specifications
- read technical drawings
- read work order, instructions, formulas, or processing charts
- recognize characteristics of alloys
- recognize characteristics of metals
- recognize characteristics of pulps
- recognize wood species characteristics
- record test results, test procedures, or inspection data
- sort manufacturing materials or products
- test manufactured products or materials
- understand engineering data or reports
- understand measuring devices
- understand technical operating, service or repair manuals
- use computers to enter, access or retrieve data
- use electrical or electronic test devices or equipment
- use hand or power tools
- use hazardous materials information
- use interpersonal communication techniques
- use knowledge of investigation techniques
- use knowledge of metric system
- use long or short term production planning techniques
- use oral or written communication techniques
- use precision measuring tools or equipment
- use quality assurance techniques
- use research methodology procedures



within manufacturing or commerce

- use spreadsheet software
- use technical information in manufacturing or industrial activities
- use x-ray or magnetic inspection techniques

Technology - Examples

Analytical or scientific software

- Data analysis software
- Design of experiments DOE software
- Minitab software
- Tolerance analysis software

Computer aided manufacturing CAM software

- Computer-aided inspection software

Industrial control software

- Coordinate measuring machine software
- CyberMetrics GAGETrak Calibration Management Software
- Statistical process control SPC data collection devices
- Wilcox Associates PC-DMIS Inspection Planner

Label making software

- Inspection marking systems

Optical character reader OCR or scanning software

- Label inspection systems

Spreadsheet software

- Microsoft Excel

Word processing software

- Microsoft Word

Tools - Examples

- Accelerometers
- Ammeters
- Industrial bench scales
- Beta gauges
- Measuring microscopes
- Digital resistance meters
- Calipers
- Continuity testers



- Optical comparators
- Compression testers
- Conductivity meters
- Coordinate measuring machines CMM
- Creep and stress relaxation testers
- Depth gauges
- Ductility testers
- Eddy current flaw detectors
- Frequency meters
- Fatigue testers
- Force transducers
- Forklifts
- Frequency counters
- Functional gauges
- Hardness testers
- Height gauges
- Hipot testers
- Hydraulic pumps
- Impact hammers
- Impact toughness testers
- Return loss calibrator RLC passive component testers
- Backplane testers
- Holographic interferometers
- Laser shearography flaw detectors
- Bubble leak testers
- Pulse generators
- Hydraulic lifts
- Penetrant flaw detectors
- Magnetic particle flaw detectors
- Metallurgical microscopes
- Micrometers
- Moisture meters



- Digital multimeters
- Bit error rate BER testers
- Sampling oscilloscopes
- Personal computers
- Plotters
- Direct current DC power testers
- Gloss meters
- Environmental chambers
- Digital thermometers
- Pi tapes
- Shear testers
- Shock testers
- Linear or mixed signal equipment
- Function generators
- Sorting machines
- Color spectrometers
- Strain gauges
- Tensile testers
- Laser thickness gauges
- Thread gauges
- Overhead cranes
- Ultrasonic flaw detectors
- Vibration and shaker systems
- Viscometers
- Digital voltmeters DVM
- Radiographic flaw detectors

Labor Market Comparison

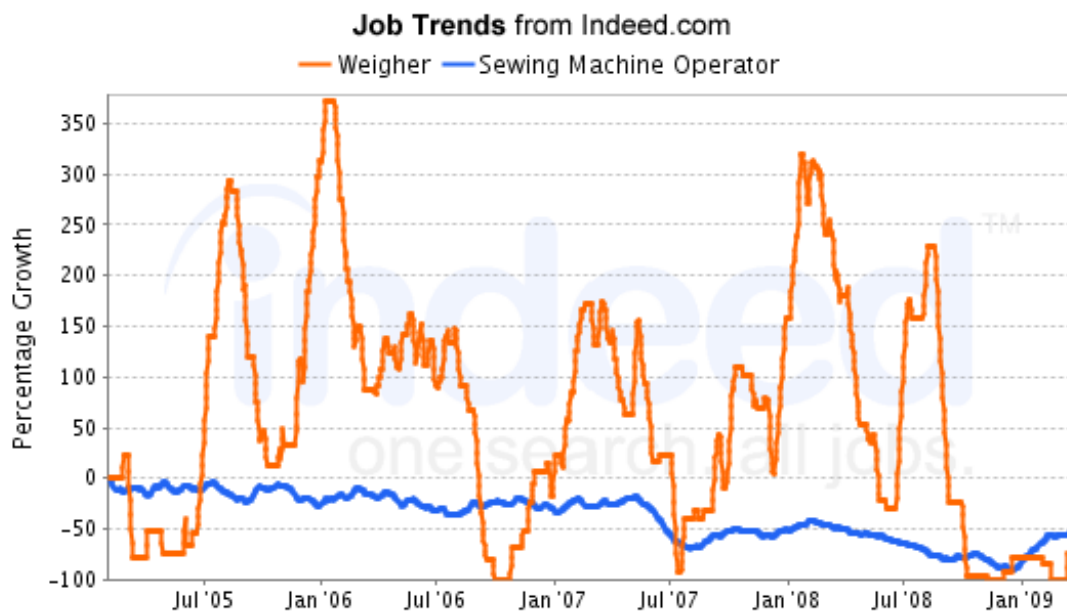
| Labor Market Comparison | | | |
|-------------------------|--|--------------------------|-------------|
| Description | Inspectors, Testers, Sorters, Samplers, and Weighers | Sewing Machine Operators | Difference |
| Median Wage | \$ 29,700 | \$ 22,440 | \$ (7,260) |
| 10th Percentile Wage | \$ 19,620 | \$ 16,350 | \$ (3,270) |



| | | | |
|---------------------------------------|-----------|-----------|-------------|
| 25th Percentile Wage | N/A | N/A | N/A |
| 75th Percentile Wage | \$ 40,300 | \$ 27,200 | \$(13,100) |
| 90th Percentile Wage | \$ 48,960 | \$ 31,710 | \$(17,250) |
| Mean Wage | \$ 31,870 | \$ 23,030 | \$(8,840) |
| Total Employment - 2007 | 1,700 | 1,080 | -620 |
| Employment Base - 2006 | 1,720 | 1,077 | -643 |
| Projected Employment - 2016 | 1,473 | 990 | -483 |
| Projected Job Growth - 2006-2016 | -14.4 % | -8.1 % | 6.3 % |
| Projected Annual Openings - 2006-2016 | 26 | 10 | -16 |

National Job Posting Trends

Trend for Inspectors, Testers, Sorters, Samplers, and Weighers

Trend for
Sewing
Machine
OperatorsData from [Indeed](http://Indeed.com)

Recommended Programs

No program data for the occupation.

Maine Statewide Promotion Opportunities for Inspectors, Testers, Sorters, Samplers, and Weighers

| O*NET Code | Title | Grand TORQ | Job Zone | Employment | Median Wage | Difference | Growth | Annual Job Openings |
|------------|-------|------------|----------|------------|-------------|------------|--------|---------------------|
|------------|-------|------------|----------|------------|-------------|------------|--------|---------------------|



| | | | | | | | | |
|------------|---|-----|---|-------|-------------|-------------|------|----|
| 51-9061.00 | Inspectors, Testers, Sorters, Samplers, and Weighers | 100 | 2 | 1,700 | \$29,700.00 | \$0.00 | -14% | 26 |
| 51-4121.07 | Solderers and Brazers | 87 | 2 | 1,610 | \$38,030.00 | \$8,330.00 | 7% | 49 |
| 51-9196.00 | Paper Goods Machine Setters, Operators, and Tenders | 85 | 2 | 910 | \$38,230.00 | \$8,530.00 | -26% | 23 |
| 43-5053.00 | Postal Service Mail Sorters, Processors, and Processing Machine Operators | 84 | 2 | 970 | \$41,950.00 | \$12,250.00 | -12% | 10 |
| 51-2021.00 | Coil Winders, Tapers, and Finishers | 82 | 2 | 90 | \$31,910.00 | \$2,210.00 | -53% | 1 |
| 19-4011.02 | Food Science Technicians | 82 | 3 | 20 | \$32,000.00 | \$2,300.00 | -3% | 1 |
| 43-9031.00 | Desktop Publishers | 82 | 3 | 130 | \$32,200.00 | \$2,500.00 | 14% | 5 |
| 51-9032.00 | Cutting and Slicing Machine Setters, Operators, and Tenders | 80 | 2 | 710 | \$31,350.00 | \$1,650.00 | -23% | 12 |
| 51-5023.00 | Printing Machine Operators | 79 | 2 | 790 | \$29,710.00 | \$10.00 | -3% | 18 |
| 43-5061.00 | Production, Planning, and Expediting Clerks | 79 | 2 | 1,320 | \$38,490.00 | \$8,790.00 | -1% | 35 |
| 51-5021.00 | Job Printers | 79 | 3 | 140 | \$31,890.00 | \$2,190.00 | -10% | 2 |
| 51-9051.00 | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders | 79 | 2 | 300 | \$32,980.00 | \$3,280.00 | -18% | 9 |
| 19-4031.00 | Chemical Technicians | 78 | 3 | 160 | \$34,890.00 | \$5,190.00 | -7% | 6 |
| 51-4032.00 | Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 78 | 2 | 100 | \$33,030.00 | \$3,330.00 | -22% | 2 |
| 43-5041.00 | Meter Readers, Utilities | 78 | 1 | 90 | \$31,240.00 | \$1,540.00 | -11% | 3 |

Top Industries for Sewing Machine Operators

| Industry | NAICS | % in Industry | Employment | Projected Employment | % Change |
|----------|-------|---------------|------------|----------------------|----------|
|----------|-------|---------------|------------|----------------------|----------|



| | | | | | |
|---|--------|--------|--------|--------|---------|
| Cut and sew apparel manufacturing | 315200 | 37.46% | 87,218 | 36,829 | -57.77% |
| Other textile product mills | 314900 | 8.50% | 19,797 | 17,782 | -10.18% |
| Textile furnishings mills | 314100 | 7.91% | 18,422 | 16,690 | -9.40% |
| Self-employed workers, primary job | 000601 | 7.29% | 16,967 | 18,076 | 6.54% |
| Household and institutional furniture manufacturing | 337120 | 6.35% | 14,794 | 12,383 | -16.30% |
| Apparel accessories and other apparel manufacturing | 315900 | 2.75% | 6,400 | 4,026 | -37.09% |
| Apparel knitting mills | 315100 | 2.14% | 4,987 | 2,805 | -43.75% |
| Medical equipment and supplies manufacturing | 339100 | 2.01% | 4,674 | 4,781 | 2.29% |
| Other furniture related product manufacturing | 337900 | 1.88% | 4,384 | 4,577 | 4.40% |
| Printing and related support activities | 323100 | 1.73% | 4,029 | 3,192 | -20.77% |
| Motor vehicle parts manufacturing | 336300 | 1.48% | 3,443 | 2,741 | -20.39% |
| Fabric mills | 313200 | 1.36% | 3,162 | 2,233 | -29.38% |
| Drycleaning and laundry services | 812300 | 1.35% | 3,133 | 3,133 | 0.01% |
| Clothing stores | 448100 | 1.31% | 3,053 | 2,973 | -2.63% |
| Footwear manufacturing | 316200 | 0.92% | 2,134 | 1,000 | -53.16% |

Top Industries for Inspectors, Testers, Sorters, Samplers, and Weighers

| Industry | NAICS | % in Industry | Employment | Projected Employment | % Change |
|--|--------|---------------|------------|----------------------|----------|
| Employment services | 561300 | 7.50% | 36,864 | 43,994 | 19.34% |
| Motor vehicle parts manufacturing | 336300 | 4.66% | 22,903 | 17,193 | -24.93% |
| Plastics product manufacturing | 326100 | 4.23% | 20,797 | 20,787 | -0.05% |
| Semiconductor and other electronic component manufacturing | 334400 | 3.70% | 18,159 | 14,967 | -17.58% |
| Aerospace product and parts manufacturing | 336400 | 3.32% | 16,315 | 15,667 | -3.97% |
| Navigational, measuring, electromedical, and control instruments manufacturing | 334500 | 2.17% | 10,680 | 9,641 | -9.72% |
| Medical equipment and supplies manufacturing | 339100 | 1.87% | 9,177 | 8,852 | -3.55% |
| Pharmaceutical and medicine manufacturing | 325400 | 1.80% | 8,824 | 10,486 | 18.84% |
| Animal slaughtering and processing | 311600 | 1.79% | 8,815 | 9,486 | 7.62% |
| Other fabricated metal product manufacturing | 332900 | 1.78% | 8,731 | 7,295 | -16.45% |
| Rubber product manufacturing | 326200 | 1.70% | 8,331 | 5,547 | -33.41% |
| Testing laboratories | 541380 | 1.48% | 7,249 | 8,416 | 16.10% |
| Self-employed workers, primary job | 000601 | 1.48% | 7,279 | 7,313 | 0.46% |
| Foundries | 331500 | 1.45% | 7,125 | 4,872 | -31.63% |



| | | | | | |
|---|--------|-------|-------|-------|---------|
| Printing and related support activities | 323100 | 1.40% | 6,856 | 5,122 | -25.29% |
|---|--------|-------|-------|-------|---------|